2023 CATALOG

ATLAS GREENHOUSE

Ornamental • Cannabis • Vegetable
Educational • Retail Garden
Residential

COMPLETE GUIDE TO STRUCTURES AND ACCCESSORIES

About Atlas

Atlas Greenhouse is a manufacturer of greenhouse systems for commercial and residential markets. Located in Alapaha, Georgia, Atlas was founded in 1986 as a regional greenhouse supplier and today is building greenhouses internationally. Our headquarters has grown to consist of over 120,000 square feet of manufacturing and warehouse space.

Our products are designed for ornamental horticulture, cannabis cultivation and vegetable production, as well as educational teaching environments. Our residential greenhouses and metal buildings are designed to provide hobby growers with unlimited possibilities.

We inventory a complete line of accessories including coverings, heating equipment, cooling and ventilation equipment and much more. We continue to manufacture and stock the inventory we sell, providing unprecedented lead times and quality customer service to all markets.

OVER 37 YEARS OF QUALITY

BBB ACCREDITED BUSINESS

NATIONAL GREENHOUSE MANUFACTURERS ASSOCIATION NGMA

MADE IN USA

TERMS & CONDITIONS

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Letter from the President

Thank you for your interest in the Atlas product line. As we approach our 40th company anniversary, we are reminded of the incredible journey that has brought us to this significant milestone. We wholeheartedly acknowledge that without the continued support of our loyal customers this achievement would not have been possible. Our customers' unwavering belief in us has been the driving force behind our success, and for that, we are truly grateful.

What started as a small regional greenhouse manufacturer has evolved into a thriving greenhouse design company. Today, we take immense pride in providing innovative product designs and turn-key solutions for the ornamental, vegetable, cannabis, and institutional greenhouse markets.

This past year has been marked by exciting developments as we strive to enhance our offerings and provide exceptional service. In line with these goals, we have bolstered our team with experienced outside sales personnel who are dedicated to meeting our customers' needs and providing expert guidance. Additionally, we are pleased to introduce our latest addition, the "Apollo" polycarbonate covered Gutter Connect Structure, along with an expanded range of equipment options. These advancements offer more cost-efficient solutions while keeping our customers at the forefront of greenhouse systems technology.

Although we have grown significantly over the years, our core principles remain unchanged. We are committed to manufacturing quality structures and equipment at affordable prices, while our industry-leading lead times ensure that our customers receive efficient and timely service.

Thank you for considering Atlas as your trusted service provider. We are honored to have the opportunity to serve you and genuinely value your business. As always, our dedicated team is here to meet your needs and exceed your expectations.

Mark Davis

President | Atlas Greenhouse, LLC

Meet The Team

Mark Davis
PRESIDENT

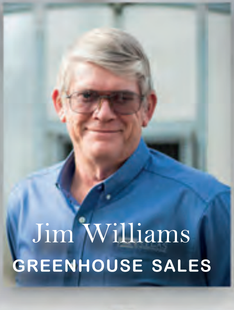
Ashley McMahan
CHIEF FINANICAL OFFICER

Greg Ellis
VICE PRESIDENT OF SALES

Bill Mathis
SALES MANAGER

Matt Hughes
OPERATIONS MANAGER

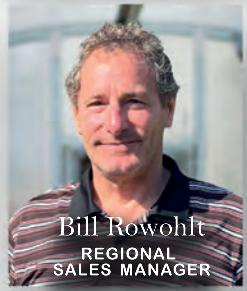
Stephanie Whitley
GREENHOUSE SALES


Jim Williams
GREENHOUSE SALES

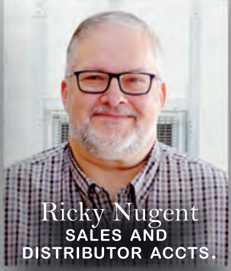
Stuart Sumner
EDUCATIONAL &
INSTITUTIONAL MARKETS

Heath Spradley
GREENHOUSE SALES

Ryan Willcott
REGIONAL
SALES MANAGER


Bill Rowohlt
REGIONAL
SALES MANAGER

Isaac Hennen
REGIONAL
SALES MANAGER


Ricky Nugent
SALES AND
DISTRIBUTOR ACCTS.

John Strickland
TECH SUPPORT &
PURCHASING

Terry Wells
TECHNICAL SUPPORT

Payton Leverett
DRAFTING

Ed Rella
DRAFTING

Michael Feagin
ENGINEERING

Tommie Ann Stone
LOGISTICS COORDINATOR

Zandra Sutton
ACCOUNTS RECEIVABLE

Tonya McQueen
ACCOUNTS PAYABLE

Karen Kent
RECEPTIONIST

Vegetable Production

Greenhouse vegetable production has seen a steady growth over the past several decades. For large or small operations, we provide greenhouse structures to accomodate your business or family farm. Our team works to select and design the best growing system for your vegetables and plants. Explore our greenhouses designed for commercial operations or moderate vegetable operations.

- MOST POPULAR STRUCTURES FOR VEGETABLE PRODUCTION -

- The Pro-Com Gutter Connect
- The Super Arch Gutter Connect
- The RT Max Muscle
- The Apollo Series

SCAN THE QR CODE TO LEARN MORE

Controlled Environment Agriculture

Our greenhouses provide a cost effective solution to creating a fully controlled growing environment. Controlled environment greenhouses increase yield on crops such as lettuce, tomatoes, and peppers. High quality produce can be grown throughout the year, often without the use of pesticides. Hydroponics, aquaponics, and aeroponics are a few of the most energy-efficient systems for greenhouse crops. With an Atlas Greenhouse, you are fully equipped for successful controlled environment growing.

- IDEAL STRUCTURES FOR CEA -

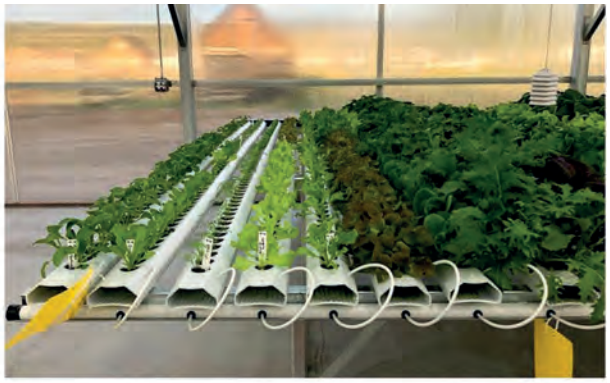
GUTTER CONNECTED

- The Grand Peak
- The Pro-Com
- The Apollo
- The RT
- The Super Arch
- The Snow Arch

FREE-STANDING

- The Educator
- The RT Max Muscle

SCAN THE QR
CODE TO LEARN MORE



Transplant Production

Transplant production provides a critical jump on the growing season and mitigates risk by enabling a controlled environment for germination and young plant growth stages. Our transplant greenhouse series offers automated environmental controls, giving the grower a streamlined system of monitoring all of the internal environmental factors. Overhead, programmable irrigation systems are also used for watering, chemical applications and administering fertilizer.

- IDEAL STRUCTURES FOR TRANSPLANT PRODUCTION -

- THE PRO-COM
- THE SNOW ARCH
- THE RT MAX MUSCLE

SCAN THE QR
CODE TO LEARN MORE

High Tunnels

A High Tunnel system, commonly known as a “hoop house”, is an increasingly popular practice for farmers looking for conservative growing systems. With high tunnels, harsh temperatures are not an obstacle.

Benefits of High Tunnels:

- Extend the growing season
- Improve plant and soil quality
- Reduce pesticide and nutrient transportation
- Improve air quality
- Reduce energy use by providing growers with a local source of fresh produce

High Tunnels protect plants from severe weather and allow farmers to extend their growing season to year-round. High tunnels also protect plants from direct rainfall, providing growers with the ability to have precise control when delivering water and nutrients to plants by using tools such as a drip irrigation kit.

- ATLAS HIGH TUNNEL STRUCTURES -

- The 30’ Budget Plus
- The 20’ RT Cold Frame
- The 16’ Hoop House
- The 28’ Emerald
- The 30’ Price Buster
- The Snow Arch Model

SCAN THE QR CODE TO LEARN MORE

Ornamental Production

Ornamental and landscape plant production is a highly specialized and complex field of agriculture. Custom designed greenhouse structures are essential to enhancing year-round ornamental growing. With Atlas Greenhouse structures and accessories, you can create different climate zones and growing conditions within the same environment. We provide options designed to accommodate the large-scale and mid-scale commercial ornamental operations.

SCAN TO LEARN
MORE ONLINE

- STRUCTURES FOR ORNAMENTAL APPLICATIONS -

Gutter Connected
- The Grand Peak
- The Apollo Series
- The Pro-Com
- The Snow Arch
- The Super Arch

Free-Standing
- The Super Arch
- The Snow Arch

Cold Frames
- The Budget Plus
- The Snow Arch
- The Super Arch
- The Emerald
- The Southerner
- The Price Buster

Shade Structures
- Cable Shade
- Pro-Lite Shade
- Flat Top Shade
- A-Frame Shade

What Our Customers Are Saying....

"The quality of the greenhouses, the efficiency, the professionalism and service that comes from Atlas... whether it's a site visit or overnighting supplies to us, we've seen all scenarios of professionalism and service from the personnel to the owner."

- James Cook
Owner of County Farm Plant Company
Baxley, Georgia

SCAN TO WATCH
CUSTOMER TESTIMONIAL

Cannabis Cultivation

Creating an environment for success by integrating modern technology and structure solutions for Cannabis Cultivators.

Conceptual Design & Consulting

Consultation provided by our team of experts to determine the grower needs for cultivation construction based on crop, product, region and climate challenges.

Development

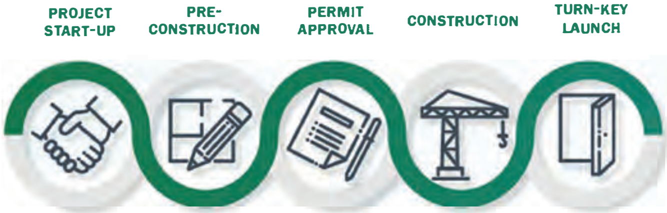
Construction plans developed by our drafting and engineering team with our consultants and contractors.

Manufacturing & Building

Production in our 100,000 sq. ft. manufacturing facility, construction by our teams of professional installation crews. Constant communication between owner, engineering and contractor for project timeline management

Our Process

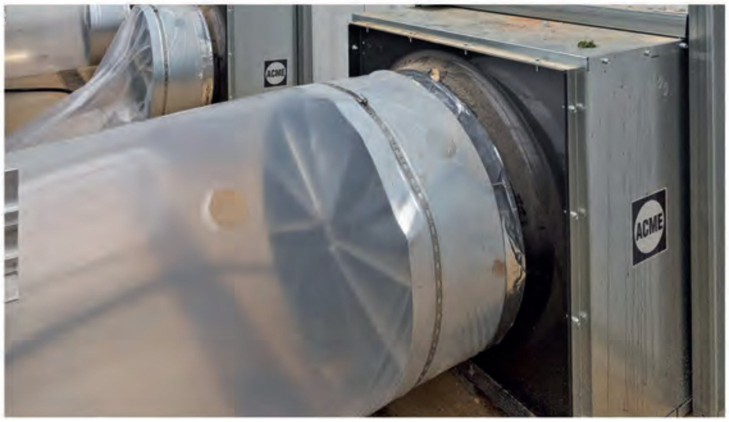
> “We’re thrilled with the experience that we have had with Atlas”
>
> FATHOM CANNABIS
>
> Rob Lockhart
> Co-Founder, Fathom Cannabis


PROJECT START-UP
PRE-CONSTRUCTION
PERMIT APPROVAL
CONSTRUCTION
TURN-KEY LAUNCH

HYBRID FACILITIES

TOTALLY ENCLOSED FACILITIES

Cooling and Ventilation

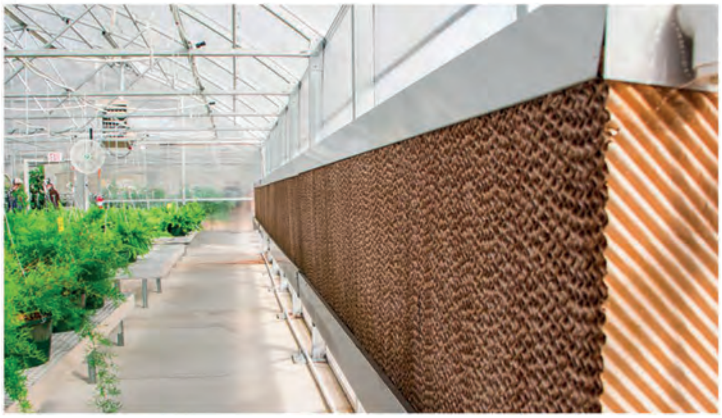


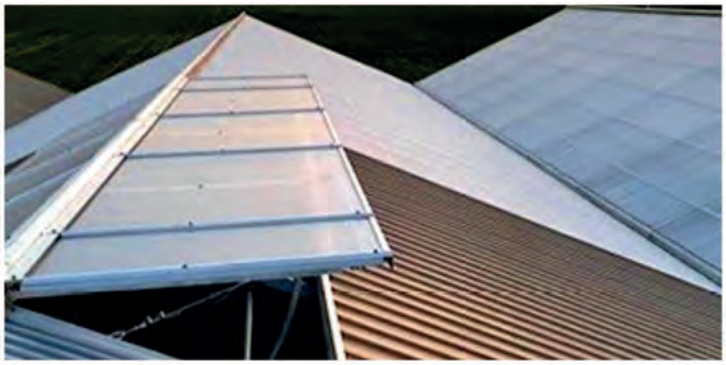
Positive Pressure Ventilation

Positive pressure cooling systems pull outside ambient air into a cooling chamber where the air is screened for bugs, then chilled through evaporation. This bug free chilled air is then forced into the greenhouse through ducts to distribute the air to the other end of the greenhouse allowing it to escape the duct along its journey.

Fan & Pad
Negative Pressure Cooling

Negative Pressure cooling uses exhaust fans at one end of the greenhouse to pull or exchange the air in the greenhouse out of the building with fresh outside ambient air temperature at least once per minute. The temperature can be lowered through evaporation of a simple pad system or cool cell. As the air is chilled through evaporation, it is pulled to the opposite end of the greenhouse and forced out of the building through the exhaust fans.





Natural Ventilation

Natural ventilation operates on the principle that heat is removed from the greenhouse by wind and temperature differences between the inside and outside of the greenhouse. When ridge vents are used, the hot air inside the greenhouse will rise and escape through the roof opening. The greater the difference in temperature between the inside and the outside of the greenhouse, the greater the results.

Pro-Com Light Deprivation Packages

30 x 96 x 12 Single Bay
120’ (4 Bays @ 30‘) x 96’ x 12‘ Multiple Bays

The Pro-Com greenhouse is a gutter connect design that allows you to start small and easily grow your space as your business grows. It can be customized with divider walls to allow for separation of flower, veg and headhouse space. The frame is engineered and designed to meet wind and snow loads in most of the country without upgrades. The 30’ bay width provides generous space for efficient bench designs while still providing ample room to work. The 12’ under gutter allows room for growing on benches and maintaining proper distance from grow lights and interior light deprivation curtains.

Grand Peak Light Deprivation Greenhouse Package

30 x 96 x14 Single Bay
120’ (4 Bays @ 30‘) x 96’ x 12‘ Multiple Bay

The Grand Peak is our most popular cannabis structure. It can be equipped with side wall curtains, mechanical ventilation or with our Atlas roof vents. Its 12’ column spacing also allows for this structure to be equipped with an automated retractable light deprivation system to provide your greenhouse with the proper light levels for optimal growing conditions. Engineered frame designed to meet wind and snow loads in all regions of the country. The 30’ bay width provides generous space for efficient bench designs while still providing ample room to work. The 14’ under gutter allows room for growing on benches and maintaining proper distance from grow lights and interior light deprivation curtains.

SCAN TO
REQUEST
A QUOTE

Educational Greenhouses

Educational greenhouses for K-12 grade or University programs provide a viable teaching environment for lessons in horticulture, disease management, and many other applications. Designed for easy use and for facility requirements, our educational greenhouse series offer the perfect learning environment.

An educational greenhouse is a big investment and should be designed with the help of professional greenhouse manufacturers. When planning a greenhouse for educational purposes, we consult with schools and university systems to determine the necessary design considerations. Structure size, location, structure type and climate control are the most important elements to consider when designing an educational greenhouse.

Other features to consider are *flooring, benches, and aisle widths*.

SCAN TO LEARN MORE

Research Greenhouses

Our greenhouses can be utilized for research for academia, industry research, to supplement field based studies, and for many other research endeavors.

A successful research greenhouse controls all variables and conditions to achieve a constant environment. The greenhouse can be built to suit any and all needs for conducting studies on plant growth, disease management, and more. Our systems are fully integrated with components to control and monitor ventilation, humidity, photo periods, carbon dioxide levels, plant nutrients, irrigation and temperature.

- IDEAL STRUCTURES FOR RESEARCH & EDUCATION -

- The Educator Series
- The Grand Peak Series
- The Flat Top Shade Center
- The Scholar Series
- The RT Max Muscle

Retail Garden Centers

We understand the need to provide your customer with the best retail experience while maintaining a perfect growing environment. Greenhouses for retail production are built specifically for the toughest of retail environments. Your stock will flourish under an Atlas roof. From natural ventilation, to built-in bench systems, we have you covered.

Additional Components for equipping your retail garden center:

- Climate Control Systems
- Fully integrated Light Control
- Mechanical & Natural Ventilation
- Bench Systems for plant display
- Metal Buildings for Retail Sales Center

Scan to watch a greenhouse video walk-through with our customers at Creekside Nursery

Grow. Bloom. Thrive.

- IDEAL STRUCTURES FOR RETAIL PRODUCTION -

- Super Arch Gutter Connect
- The Apollo Series
- Atlas Shade Structures
- The Grand Peak
- The Educator

Scan to Request a Quote

Residential Greenhouses

Whether you're looking to overwinter your plants or grow year round, we manufacture several residential style greenhouses with the hobby grower in mind. Explore the various options for the green thumb enthusiasts and find the perfect greenhouse that you can enjoy for many years.

scan to explore
our complete series

Residential Greenhouses

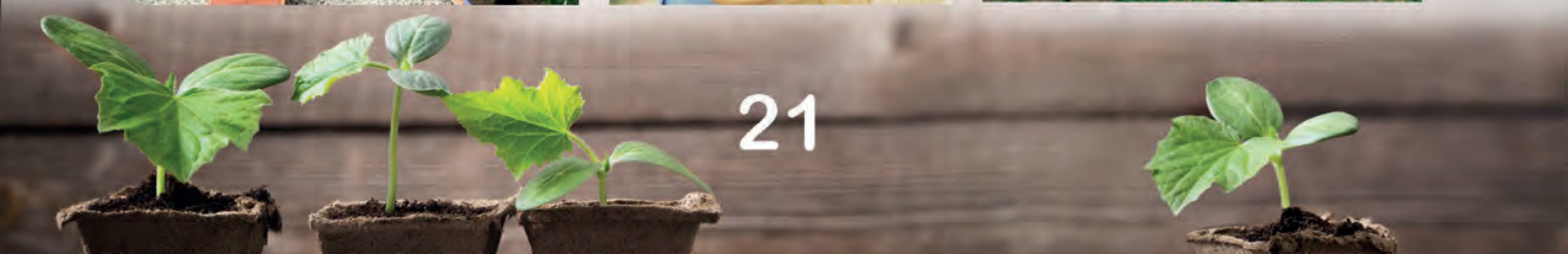
The Easy Grow Package

10’ x 16 - The Easy Grow is perfect for growing vegetables, starting seeds or simply overwintering plants. Built with commercial grade quality, the Easy Grow is engineered to last many years. The galvanized framework and slip-fit connectors ensure simple and stress-free assembly. Covered with 6 mil. 4-year poly, it offers commerical grade plant protection. This package includes curtains, one door, one heater, white poly and more.

Other sizes available include: 10’x11’, 10’x16’ or 10’x27’ with an 8’ peak height.

The Scholar Package

The Scholar Series greenhouse is the ultimate greenhouse for the serious hobby grower. The Scholar is covered with commercial grade 8mm twinwall polycarbonate, with a 10-year warranty and a 15-20 year life expectancy. Available in either 12’ or 16‘ width, any length in 6’ increments and a standard sidewall height of 5‘-8’. This package includes a 2”x2” square galvanized steel frame, aluminum extrusions, glass door and mechanical ventilation.



Gutter Connect Greenhouses

- WHY CHOOSE A GUTTER CONNECT GREENHOUSE? -

Our gutter connected greenhouse structures provide growers across the country with cost-effective solutions. With our extruded aluminum gutters with built-in poly attachment and column to post connection, you'll save time and money on construction costs.

Multiple bays of greenhouse structures connected by gutters creates stability and effective use of the operating space. Future expansions can be added by building on to existing
gutter-connects.

Let us work with you to discover the needs and specific details to provide the best solution for your growing operation.

Our structures are offered in Quonset, A-Frame or semi-Gothic roof design with various size options. Whether you need low cost poly covered structures or need to cover large acreage or polycarbonate structures for retail or institutional needs, we have the right choice for you.

ATLAS GUTTER-CONNECTED STRUCTURES

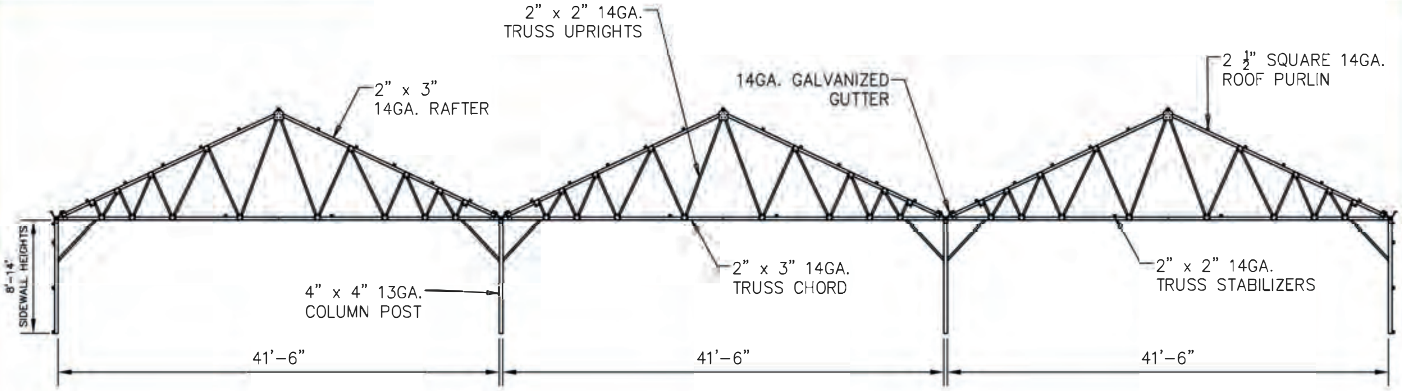
- **THE GRAND PEAK**
- **THE SUPER ARCH**
- **THE PRO-COM**
- **THE SNOW ARCH**
- **THE RT**

SCAN TO LEARN MORE ONLINE

The Grand Peak

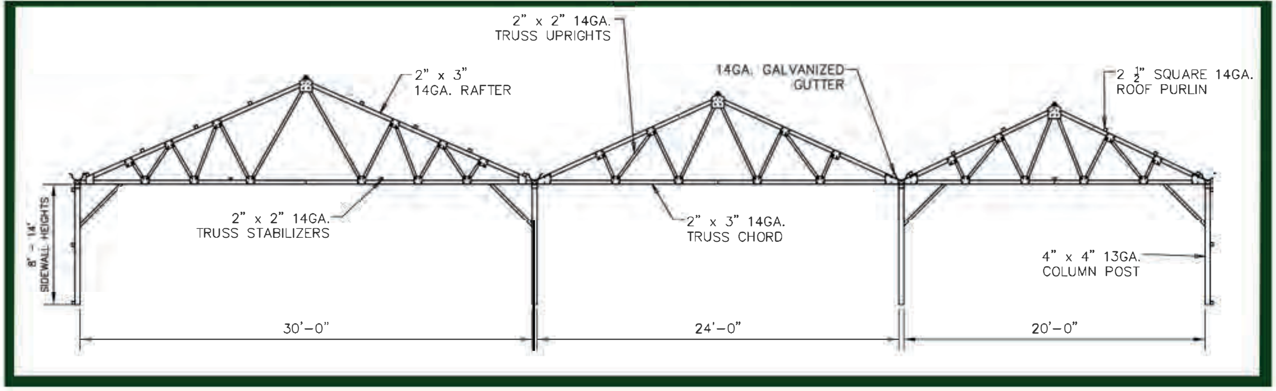
Our top performing gutter connect is the Grand Peak. With its wide galvanized gutters and 8mm polycarbonate roof covering, it offers years of maintenance-free use with a sleek, upscale design. The Grand Peak is available as a free-standing structure or as a multiple bay gutter connect and can be built with a wide variety of rigid coverings.

The Grand Peak can be used in a wide range of markets including use for research and education, retail, hydroponics/aquaponics, cannabis cultivation, commercial and controlled environment growing operations.


2" x 2" 14GA.
TRUSS UPRIGHTS
2" x 3"
14GA. RAFTER
14GA. GALVANIZED
GUTTER
2 $\frac{1}{2}$" SQUARE 14GA.
ROOF PURLIN
8'-14'
SIDEWALL HEIGHTS
4" x 4" 13GA.
COLUMN POST
2" x 3" 14GA.
TRUSS CHORD
2" x 2" 14GA.
TRUSS STABILIZERS
41'-6"
41'-6"
41'-6"

Standard Specifications:

- 2 x 3 (14 gauge) pre-punched rafter design with 12’ spacing
- 4 x 4 (13 gauge) column post with 12’ spacing
- 2 1/2 square x 14 gauge roof purlins
- 14 gauge galvanized gutters
- Extruded aluminum profiles for polycarbonate coverings


2" x 2" 14GA. TRUSS UPRIGHTS
2" x 3" 14GA. RAFTER
14GA. GALVANIZED GUTTER
2 ½" SQUARE 14GA. ROOF PURLIN
8' - 14' SIDEWALL HEIGHTS
2" x 2" 14GA. TRUSS STABILIZERS
2" x 3" 14GA. TRUSS CHORD
4" x 4" 13GA. COLUMN POST
30'-0"
24'-0"
20'-0"

- Available in 20’, 24’, 30’ and 41.6’ wide bays
- 8mm polycarbonate roof covering (plus many other rigid covering options)
- Bolted rafters for easier installation
- Option of concrete foundation or pier installation
- Ideal structure for retail or educational purposes

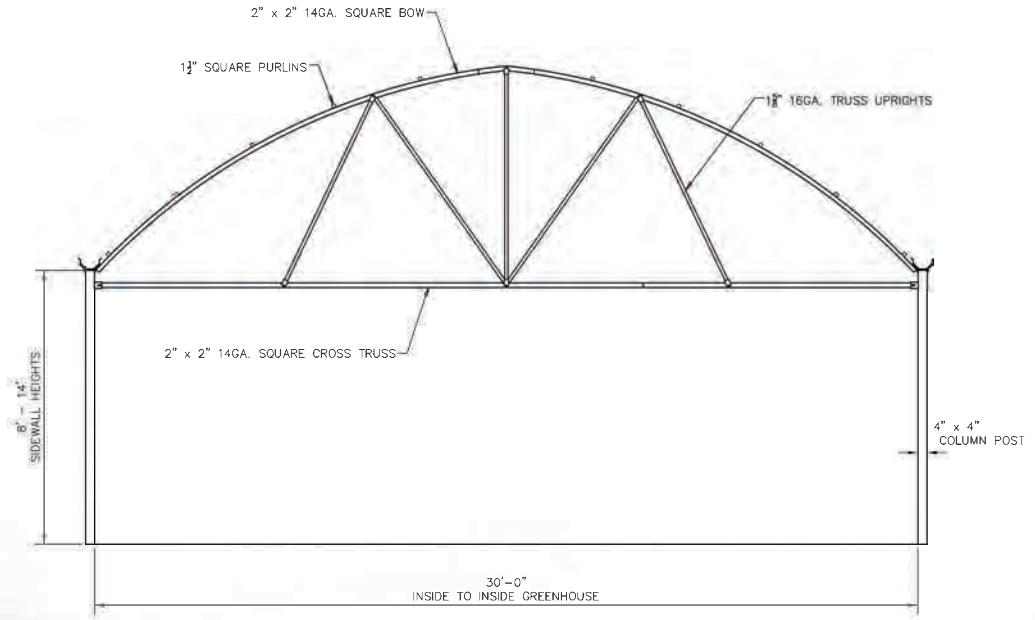
The Apollo

Capture the sun with our new Apollo series greenhouse. Named after the Greek God of sun and light, the Apollo Series is our most versatile structure with greenhouse covering options that include poly film, corrugated polycarbonate, and twinwall polycarbonate. The Apollo can be covered with corrugated sheet metal for headhouse connection.

Galvanized Steel Frame:

- 4" x 4" x 11 Ga Column posts
- 2" x 2" x 14 Ga Bows
- 1-1 /2" Square Purlins (for rigid covering)
- Large 10" Wide Aluminum Gutter

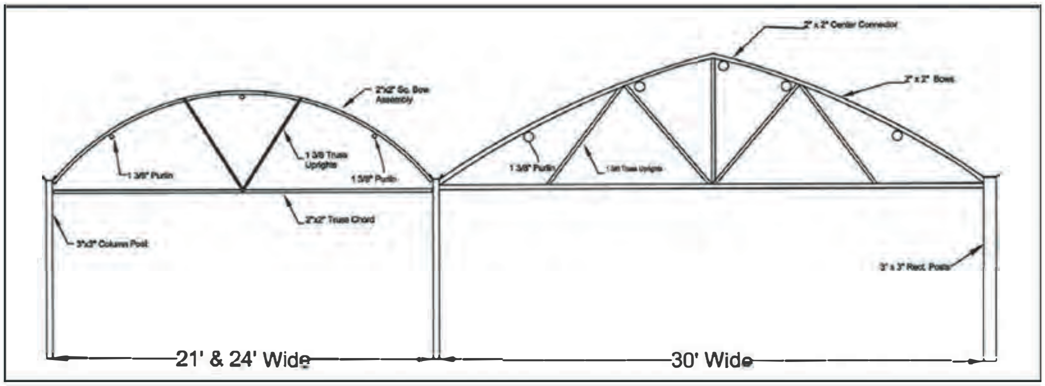
SCAN TO
REQUEST
A QUOTE

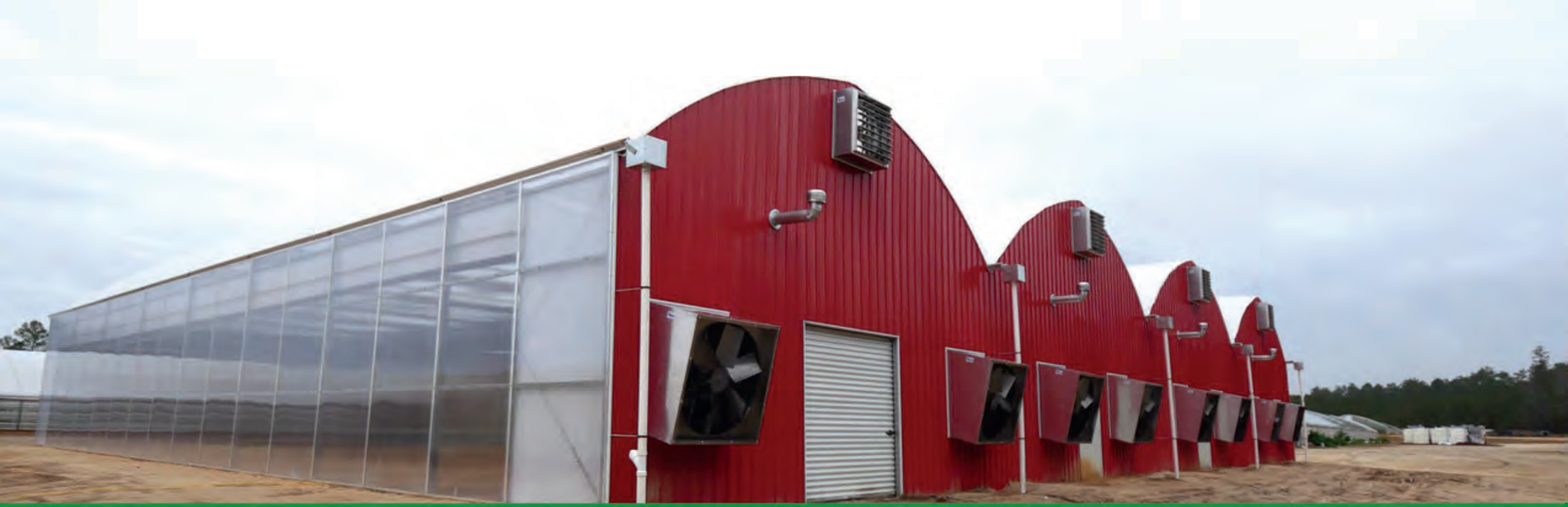

2" x 2" 14GA. SQUARE BOW
1½" SQUARE PURLINS
1⅝" 16GA. TRUSS UPRIGHTS
2" x 2" 14GA. SQUARE CROSS TRUSS
8' - 14'
SIDEWALL HEIGHTS
4" x 4"
COLUMN POST
30'-0"
INSIDE TO INSIDE GREENHOUSE

PLANTS
22
23
24
25

The Super Arch Gutter Connect

The Super Arch Gutter Connect Series is the perfect structure to meet top quality needs at an affordable price. It offers superior strength for high snow load applications while maintaining a cost that is well within a grower's budget. Product to product, cost to cost, growers will not find a more economical and efficient gutter connect structure.

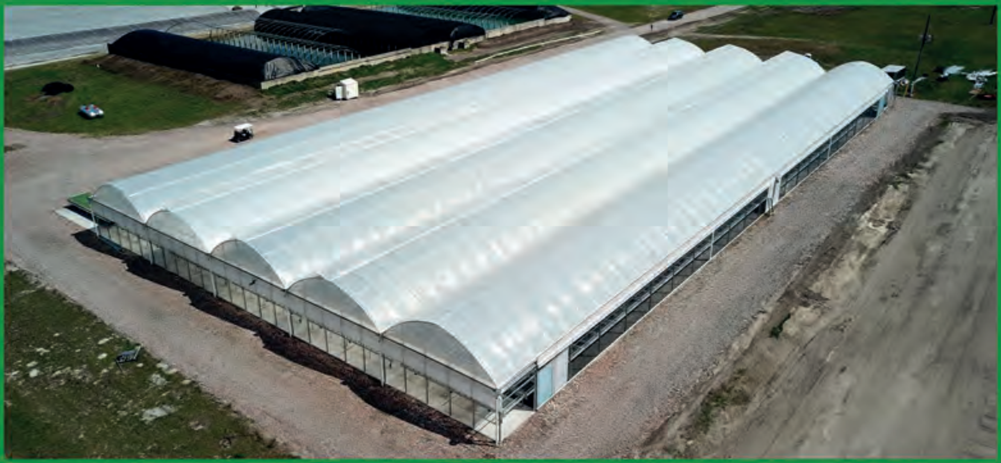

2"x2" Sq. Bow Assembly
1 3/8" Purlin
1 3/8 Truss Uprights
1 3/8" Purlin
2"x2" Truss Chord
3"x3" Column Post
21' & 24' Wide
2" x 2" Center Connector
2" x 2" Bows
1 3/8" Purlin
1 3/8 Truss Uprights
3" x 3" Rect. Posts
30' Wide



The Super Arch sizes come standard in 21', 24' and 30' widths. Models are available with gutter heights up to 14'. Equip the Super Arch structure with Atlas' EZ Roll-Up Curtain systems and Ridge Vents for energy-efficient natural ventilation or fans and shutters for mechanical ventilation.

Standard Specifications:

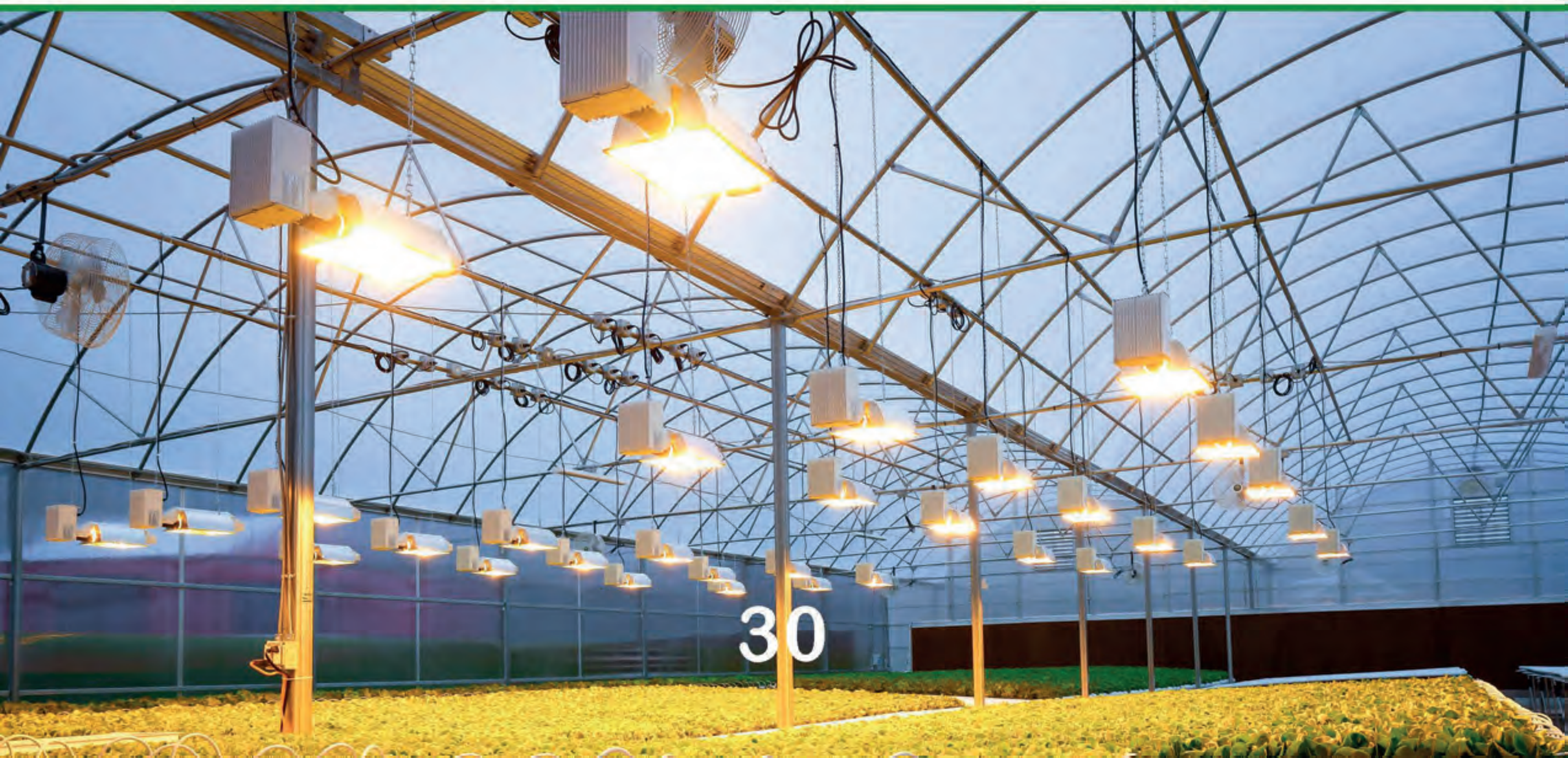
- 21’, 24’, or 30’ clear span widths
- 4’ or 6’ bow spacing
- Pre-punched holes for easy installation
- 2” square (14 gauge) bows
- 2” square (14 gauge) truss chord
- 3” x 3” column posts (12 gauge) - optional 4” posts
- 3 runs 1.315 (17 gauge) purlins on 21’ and 24’ models
- 5 runs 1.315 (17 gauge) purlins on 30’ model

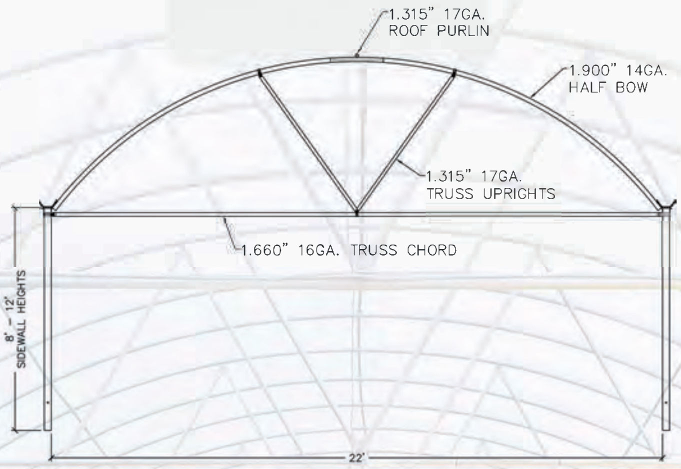


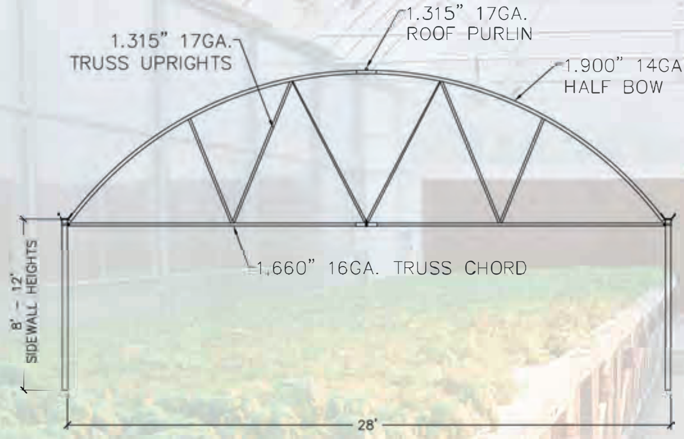
The Pro-Com

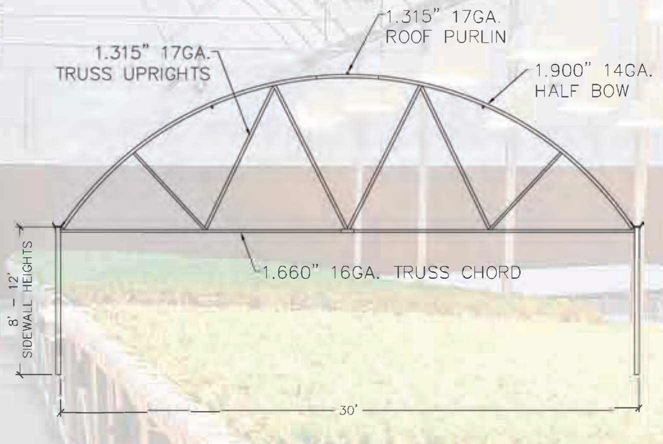
Our Pro-Com series greenhouse is fully engineered and is the most cost-efficient model in it’s class. Bay width options vary from 22’, 28’ and 30’ widths.
The Pro-Com is constructed using 3” x 3” square column posts, spaced every 12’, with 1.900” bows spaced at 4’ or 6’ and has trusses every 12’.

The Pro-Com series is designed and engineered to withstand most wind and snow loads throughout 75% of the United States without modifications. The low cost per square foot of the Pro-Com allows growers to cover large areas economically. It works perfectly with roll-up curtains to provide natural ventilation.




1.315" 17GA.
ROOF PURLIN
1.900" 14GA.
HALF BOW
1.315" 17GA.
TRUSS UPRIGHTS
1.660" 16GA. TRUSS CHORD
8' - 12'
SIDEWALL HEIGHTS
22'


1.315" 17GA.
TRUSS UPRIGHTS
1.315" 17GA.
ROOF PURLIN
1.900" 14GA.
HALF BOW
1.660" 16GA. TRUSS CHORD
8' - 12'
SIDEWALL HEIGHTS
28'


1.315" 17GA.
ROOF PURLIN
1.315" 17GA.
TRUSS UPRIGHTS
1.900" 14GA.
HALF BOW
1.660" 16GA. TRUSS CHORD
8' - 12'
SIDEWALL HEIGHTS
30'

Standard Specifications:

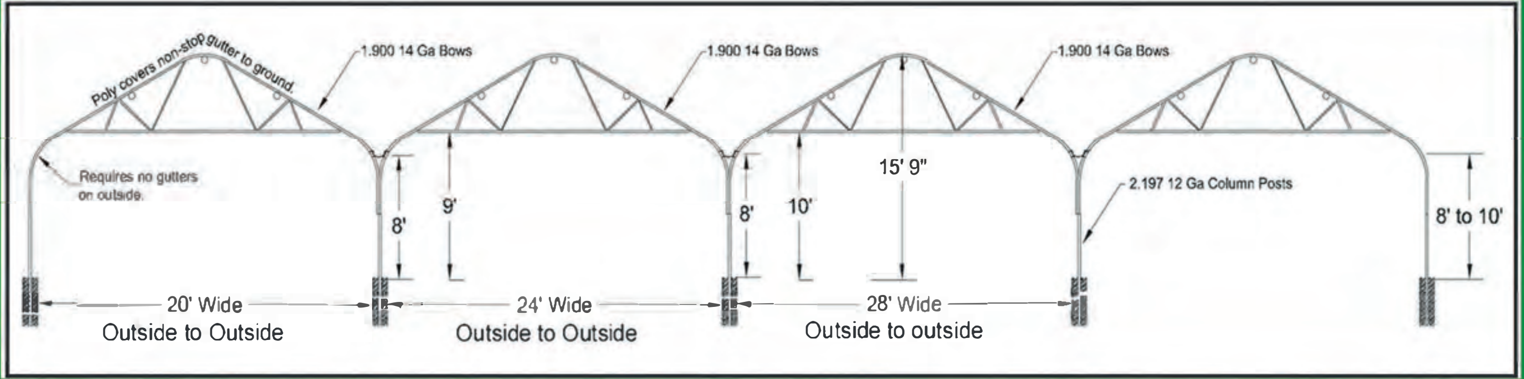
- 3" x 3" column posts 12 gauge (12' spacings)
- 1.900 (14 gauge) bows
- 1.315 (17 gauge) purlin
- Extruded aluminum gutters
- Choice of 22', 28' or 30' width bays
- Overhead cable and side wall bracing

Scan to learn more online

Snow Arch Gutter Connect

The Snow Arch Gutter Connect series is the most affordable professional grade structure since no outside gutters are required; additionally, our posts and bows are spaced according to your selection of 4’, 5’ or 6’ spacings, eliminating the need for large column posts. There are no expensive brackets used to attach the gutters to posts. The frame supports the gutters as opposed to the gutters supporting the frame. The Snow Arch Gutter Connect greenhouse is offered with up to 8’ to 10’ gutter height.

SCAN TO LEARN
MORE ONLINE


Poly covers non-stop gutter to ground.
1.900 14 Ga Bows
1.900 14 Ga Bows
1.900 14 Ga Bows
Requires no gutters on outside.
8'
9'
8'
10'
15' 9"
2.197 12 Ga Column Posts
8' to 10'
20' Wide
Outside to Outside
24' Wide
Outside to Outside
28' Wide
Outside to outside

Standard Specifications:

- 2.197 in. round 12 gauge column posts
- 1.900 in. (14 gauge) bow assemblies
- 1.315 in. (17 gauge) purlins (3 runs)
- Note: 30' wide model has 5 runs
- 1.660 in. (16 gauge) cross trusses
- 1.315 in. (17 gauge) corner wind brace
- Complete assembly hardware

Free-Standing Greenhouses

Why choose a free-standing greenhouse? We have been building free-standing greenhouses for over 35 years. Our common sense approach to greenhouse design has resulted in cost-effective, energy-efficient structures combined with ease of installation.

Free-standing structures provide many benefits to growers including the ability to isolate plants that may be diseased, create additional space needed for product, and add on additional expansions later.

SCAN TO
LEARN MORE
ONLINE

Why choose a Free-Standing greenhouse?

If your location requires high winds or heavy snow building codes, we have the perfect structure for you. The standard widths available for free-standing structures range from 16′-35′ clear spans with sidewall heights from 4′-10′. Our solutions to your greenhouse needs provide you with choices of round, rectangular and square tubing, and covering options of poly or polycarbonate.

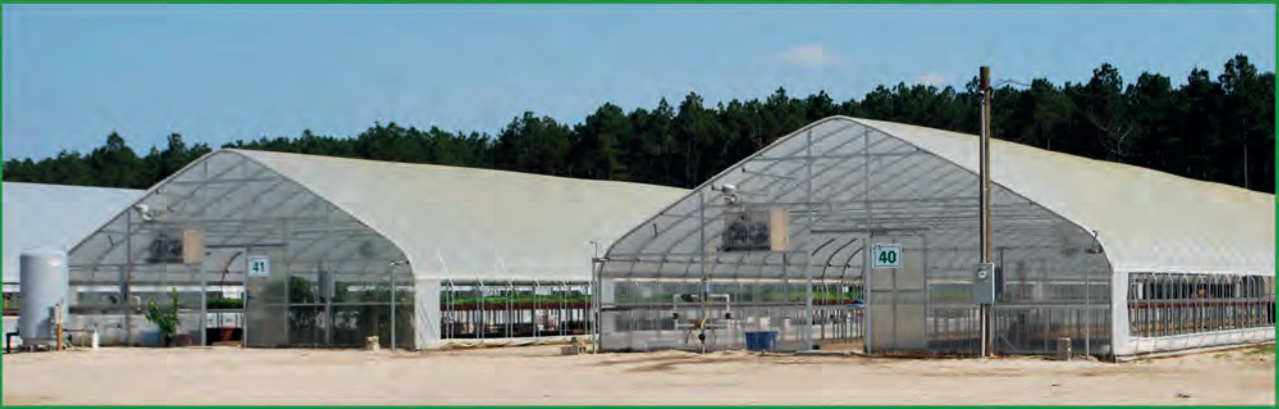
Available Options:

- Benches
- Irrigation
- Hanging Basket Rails
- Sealed Engineered Drawings
- Installation
- Ventilation and Cooling
- Coded to wind and snow loads
- Custom Design for your facility layout
- Environmental Controls

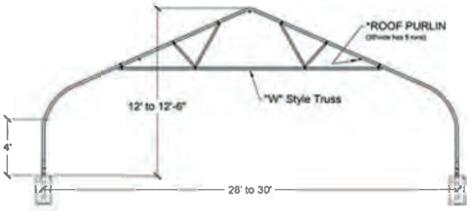
The Snow Arch | Free-Standing

The free-standing Snow Arch Greenhouse offers the strength and versatility to accommodate various widths, side wall heights, drop-down or roll-up curtains, roof ventilation, fans, shutters and/or cooling pad systems. Its truss design can support multiple crop weights. While typically offered in 16'-30' wide free span widths with standard 4' sidewalls, custom widths and 6' sidewalls are available.

Our 6' sidewall option provides great natural ventilation when equipped with an Atlas curtain system. This structure is designed for a poly-film covered roof. Wind and snow load certifications are available.



28’ or 30’ Width


*ROOF PURLIN
(30'wide has 5 runs)
"W" Style Truss
12' to 12'-6"
4'
28' to 30'

6’ sidewalls available

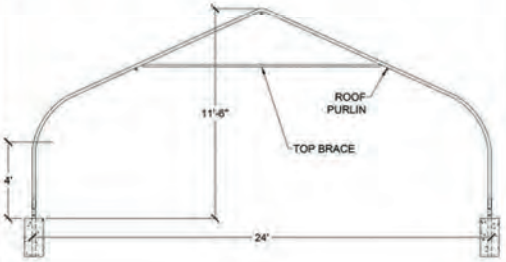
POLY COVERING REQUIREMENTS

WIDTH	4’ SIDES	6’ SIDES	EAVE TO EAVE
16’	28’ POLY	32’ POLY	24’ POLY
20’	32’ POLY	36’ POLY	28’ POLY
24’	40’ POLY	42’ POLY	32’ POLY
28’	42’ POLY	48’ POLY	36’ POLY
30’	48’ POLY	48’ POLY	36’ POLY

Standard Specifications:

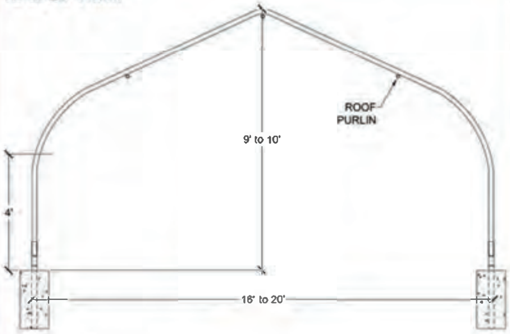
- 2.197” (12 gauge) anchor post
- 1.900” (14 gauge) bow assemblies
- 1.315” (17 gauge) purlins (3 runs)
- Note: 30’ wide has 5 runs
- 1.660” (16 gauge) cross trusses
- 1.315” (17 gauge) corner windbrace
- Complete assembly hardware

24’ Width


11'-6"
ROOF PURLIN
TOP BRACE
4'
24'

6’ sidewalls available

16’ or 20’ Width


ROOF PURLIN
9' to 10'
4'
16' to 20'

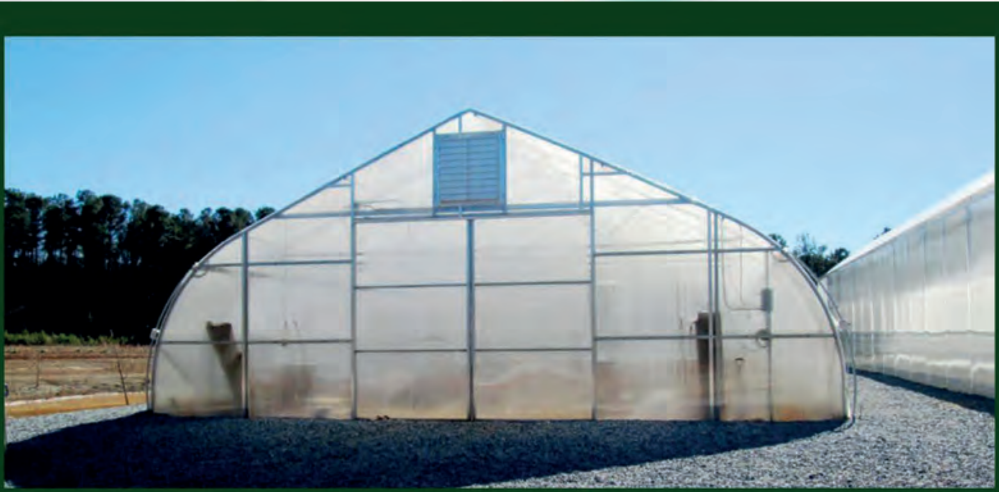
6’ sidewalls available

The Super Arch | Free-Standing

With pre-punched, two-square framing, the Super Arch Series offers strength and ease of installation. The standard 30' and 35' width base models, with approximately 8' truss height, are ideal for hanging basket applications. It can easily be modified for high tunnel use, which needs a wide width and superior strength.

Available with 24" extended wall height, the Super Arch can be equipped with the Atlas EZ Roll-Up curtain system and you achieve nearly 30% of open structure for natural ventilation. Designed for a Northern climate, the Super Arch has the highest rated snow load in our free-standing line.

SCAN TO
LEARN
MORE

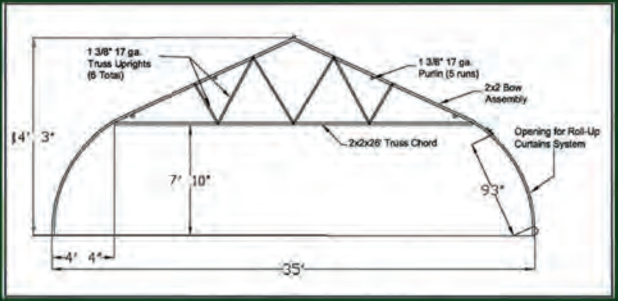


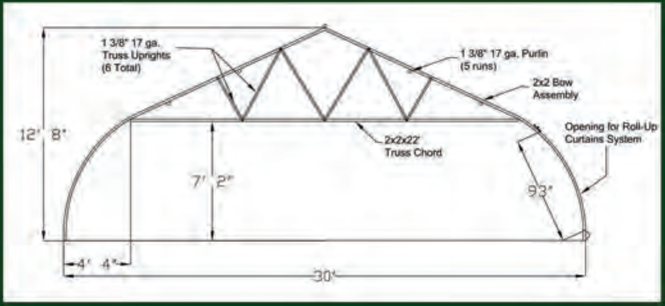
Standard Specifications:

- 30’ or 35’ clear span widths
- 4’, 5’, or 6’ post spacings
- Pre-punched holes for easy installation
- 2” square (14 gauge) bows and columns
- 5 runs 1.315 (17 gauage) purlins

Features:

- Excellent for natural ventilation
- Designed for northern climates
- Standard truss sytems for hanging baskets


1 3/8" 17 ga.
Truss Uprights
(6 Total)
1 3/8" 17 ga.
Purlin (5 runs)
2x2 Bow
Assembly
14' 3"
2x2x26' Truss Chord
Opening for Roll-Up
Curtains System
7' 10"
93"
4' 4"
35'


1 3/8" 17 ga.
Truss Uprights
(6 Total)
1 3/8" 17 ga. Purlin
(5 runs)
2x2 Bow
Assembly
12' 8"
2x2x22'
Truss Chord
Opening for Roll-Up
Curtains System
7' 2"
93"
4' 4"
30'

The RT Max Muscle

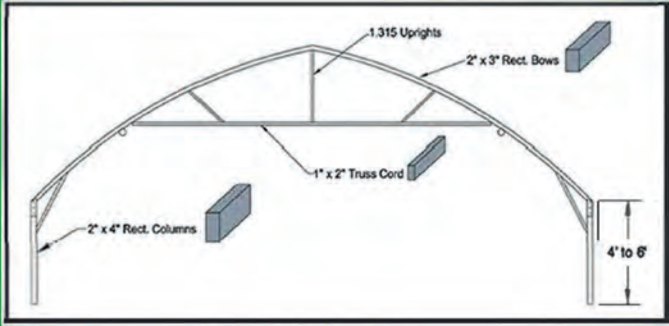
The RT™ Max Muscle offers growers the ultimate in strength and versatility. With straight side walls from 4' to 10' tall, it makes an excellent choice for natural ventilation. Properly sized mechanicaly ventilation is also an option.

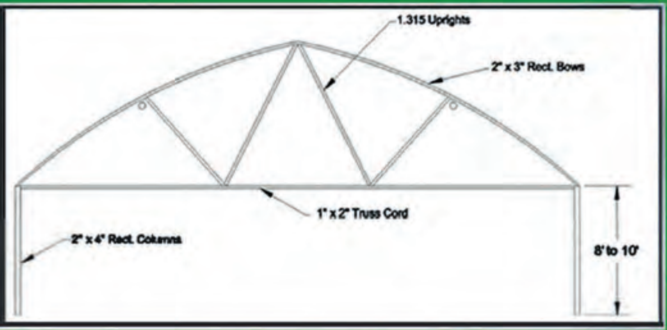
The RT™ Max Muscle is framed using 2" x 4" column posts, 2" x 3" rectangular bows and 1" x 2" rectangular cross trusses. Growers take advantage of the extra square footage gained by using the 30' or 35' clear span width. The RT™ Max Muscle is widely used by wholesale, hydroponics and transplant growers. Additionally, the sides and/or ends can be equipped with polycarbonate to make an outstanding and attractive retail sales center.

SCAN TO LEARN MORE

Standard Specifications:

- 2” x 4” (14 gauge) column post
- Massive 2” x 3” (14 gauge) rectangular bow assemblies
- 1.315” purlins (2 runs)
- Galvanized ridge hat purlin (1 run)
- 1” x 2” rectangular cross trusses
- 30’ and 35’ clear span width
- 4’ to 10’ side walls
- 30’ wide requires 36’ poly (top)
- 35’ wide requires 42’ poly (top)


1.315 Uprights
2" x 3" Rect. Bows
1" x 2" Truss Cord
2" x 4" Rect. Columns
4' to 6'

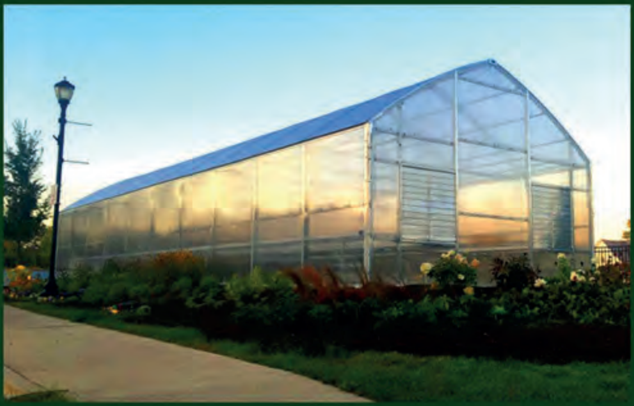

1.315 Uprights
2" x 3" Rect. Bows
1" x 2" Truss Cord
2" x 4" Rect. Columns
8' to 10'

The Educator

The Educator™ Greenhouse is built with massive galvanized rectangular framing and covered with 8mm polycarbonate covering. It offers strength and durability with a sleek, upscale appearance.

Whether used for an educational classroom or as an upscale retail garden center, you can have confidence that it will last for many years of growing pleasure. The Educator™ 's climate control systems are designed to provide proper environmental conditions. Engineered for ADA requirements and for code compliance.

Let us custom design an Educator™ package for you today!



Educator Packages:

24’ x 30’ Package
24’ x 48’ Package
30’ x 48’ Package
30’ x 60’ Package
30’ x 72’ Package
30’ x 96’ Package

Size Options:

- 24’, 28’ and 30’ widths
- Any length in 6’ increments
- 4’ to 10’ side walls
- Custom sizes available

Packages Include:

- Properly sized fans
- Shutters & Heaters
- Thermostats
- 8mm Twinwall Polycarbonate
- ADA Compliant Door

Additional Add-Ons:

- Benches
- Irrigation
- Hanging Basket Rails
- Sealed Engineered Drawings
- Installation

Components & Equipment

- Cooling & Heating Equipment
- Environmental Controls
- All metal benches
- Hanging Basket Rails
- Complete Irrigation Systems
- Turn-Key Installation
- Fire-Safe 8mm polycarbonate

Key Features:

- Vertical Side Walls
- Gothic Roof Design
- ADA Approved Doors
- Engineered for code compliance

SCAN TO LEARN
MORE ONLINE

The Scholar

The Scholar series comes available in either 12' or 16' widths and any length in 6' increments. Side wall height options range from 5' to 8'. It is covered with a commercial grade 8 mm twinwall polycarbonate which comes standard with a 10-year warranty and a 15 to 20-year life expectancy. This polycarbonate is highly energy-efficient and will provide years of maintenance-free use.

Properly sized cooling and heating equipment is available to create the proper greenhouse environment. Optional accessories include shade cloth, fans, shutters, cooling systems, gas or electric heaters, bench systems and hanging baskets rails.
The Scholar is the ideal structure for a conservative school budget.

Scholar Packages:

- 12’ x 18’
- 16’ x 24’
- 16’ x 36’

Packages Include:

- Properly Sized Fans
- Shutters and Heaters
- Thermostats
- 8mm Twinwall Polycarbonate
- ADA Compliant Door
- Assembly Instruction

Available Options:

- Benches
- Irrigation
- Hanging Basket Rails
- Sealed Engineered Drawings
- Installation

Standard Specifications:

- 12’ and 16’ widths available
- Available in any length in 6’ increments
- 2” x 2” square galvanized steel frame
- 6’ column and truss spacing
- 5’-8’ sidewall heights
- 8mm twinwall polycarbonate
- Aluminum extrusions
- ADA compliant entrance door
- Free-standing greenhouse
- Ideal for the smaller classroom

Scan to learn
more online

Cold Frames & High Tunnels

Cold Frames and High Tunnels are unheated greenhouse structures that help farmers and nursery owners extend their growing season by providing protection from nature. We manufacture many different sizes and strengths of high tunnels/cold frames for each geographic climate. The basic High Tunnel frame consists of a frame with a single layer of poly film, roll-up sides, and doors. Many additional options are available including steel end wall framing, steel base boards, automation for curtain systems, heaters, and gable vents.

The Budget Plus

The Budget Plus is ideal for overwintering protection for tall plants for the commercial nursery owner or as a lower cost structure for smaller operations.

The 20’ RT Cold Frame

The 20’ RT Cold Frame is an ideal choice for plant protection in areas of snow and ice in northern climates. The rectangular tubing and high arch offer an advantage for protection.

The 16’ Hoop House

The 16’ Hoop House is perfect for affordable winter protection with fast and easy installation from its simple design.

The Emerald

The Emerald is ideal for overwintering taller plants in snow-free zones. It offers high side walls and lower peak height to maximize heating efficiency.

The 30’ Price Buster

The Price Buster is perfect for the nursery owner looking for 30 feet of width with a low profile Quonset design, build to last and provides the most value for its price.

High Tunnel/Cold Frame Packages:

- 20 x 96 RT Package
- 30 x 72 Budget Plus Package
- 35 x 96 Super Arch Package

NRCS

Select packages are approved for the USDA NRCS Grant. Scan the QR Code for more information.

Greenhouse Benches

Portable Benches

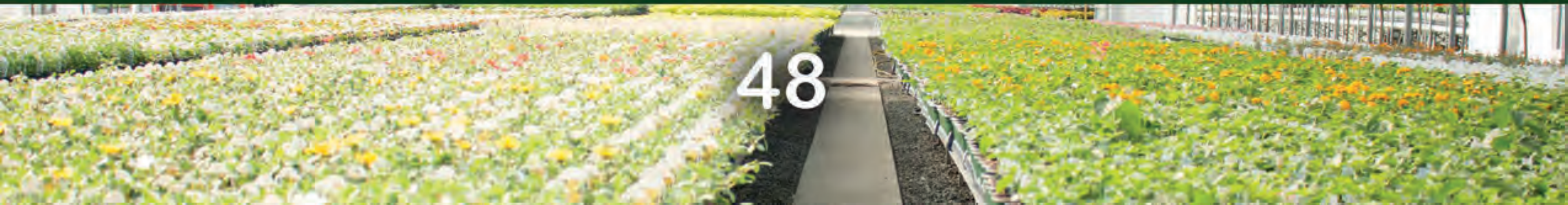
Our portable benches are available in various sizes and can be easily moved inside the greenhouse by two people. Our benches are supported by a framework of 1” x 2” rectangular tubing, providing superior strength and longevity.

Continuous Benches

Our continuous benches are permanently fastened together, above ground, creating a continuous bench to any length you desire. Our benches are supported by a framework of 1” x 2” rectangular tubing.

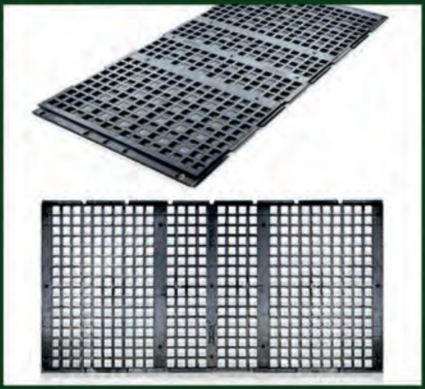
Rolling Benches

Our Rolling Benches are designed for in-ground or concrete installation and are used to save space in high production applications. Our benches are supported by a framework of 1” x 2” rectangular tubing.



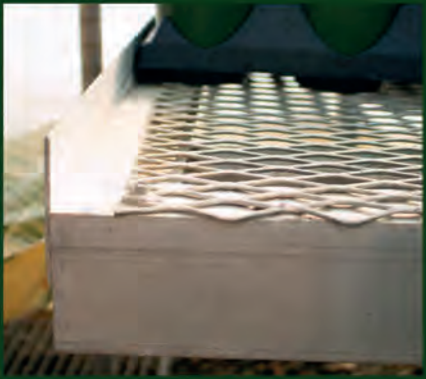
Ebb & Flow Benches

Our Ebb and Flow rolling benches are designed with the grower in mind. With available width options of 4′, 4.5′, 5′, 5.5′ and 6′, we can maximize the efficiency of your growing space.



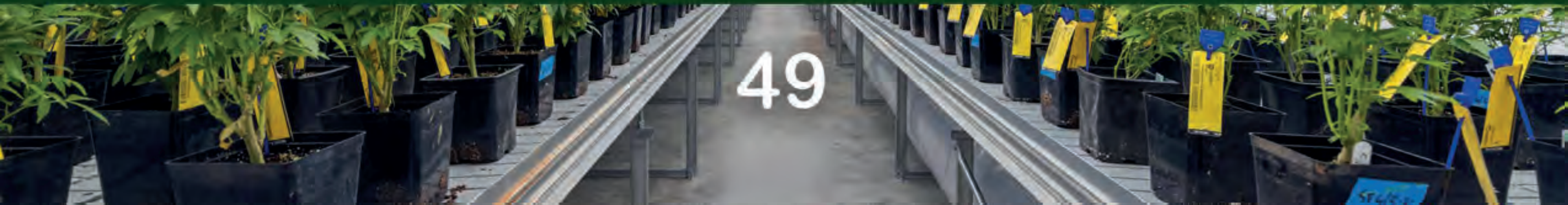
Dura Bench

- Durable, flat, smooth surface
- Excellent for wood surfaces or metal benches.
- Overlapping and non-overlapping designs
- Commercial applications
- Size: 24” x 48”
- Ultra or Original Design



Bench Tops

- Economical option for growers
- 1” x 2” 16 gauge cross support
- Extruded aluminum side rails
- 13 gauge expanded metal top
- Sizes: 3’ x 12’, 4’ x 10’, 4’ x 12’
- Custom sizes available
- Expanded metal without framing available



FertiMiX CX600
BioTherm
RIDDER
WARNING

Supplemental Equipment

When selecting a greenhouse manufacturer, opting for one that collaborates with climate control experts offers numerous benefits. We are proud to partner with experts in the climate control sector.

Customized Solutions: Working with climate control experts allows growers to receive tailored solutions for optimal temperature, humidity, and lighting control in their greenhouse, enhancing crop growth.

Seamless Integration: A full-service greenhouse manufacturer ensures the smooth integration of climate control systems into the greenhouse design, optimizing efficiency and effectiveness.

BioTherm

BioTherm Hydronic Heat

On the bench or on the floor, radiant floor heating systems use hot water (hydronic) heat and give growers distinct advantages.

- Accelerated rooting and plant growth
- Up to a 40% fuel efficiency savings over conventional forced air heating
- Reduced disease, improve plant quality
- Flexibility to heat by zone, with soil and temperature control
- Comfortable working environment

P.L. LIGHT SYSTEMS

P.L. Light Systems is a leading manufacturer of horticultural lighting systems, offering a complete range of innovative horticultural lighting products across a variety of technologies. P.L. Light systems are designed to deliver optimal lighting performance for plant growth. Combining Dutch craftsmanship with the most stringent North American regulatory standards.

Climate Control

Seed
78
74
68
74
WADSWORTH
Control Systems

Wadsworth Controls

- Offer simple, flexible climate management with excellent results
- Easy to use and install
- Reduce energy costs and improve crop quality
- 2 Heating and 4 Cooling stages
- Include aspirated temperature sensors
- Include manual override feature
- Day/night/DIF set point control

Bartlett Controls

- Affordable alternative to traditional thermostats
- Reliable and easy to use
- Programmable for 1 or 2 zones
- 4 Cooling and 2 Heating outputs
- Day/night/DIF set point controls
- Reduces manual greenhouse monitoring
- Alarm output alerts for temperature imbalance
- Pre-wired relay box for easy installation

BARTLETT
INSTRUMENT COMPANY
76
ClimateBoss
www.bartinst.com
Headgrower

ARGUS CONTROLS

Thermostats and Panels

- Single Stage
- Two Stage

For Heating & Cooling

Greenhouse Doors

Sliding Doors

- 1 1/2 x 1 1/2 square welded steel construction
- 8 mm twinwall polycarbonate covering
- Commercial duty door track, hangers and hardware
- Single Slide available in 4′ x 7′, 6′ x 7′ or 8′ x 7′ sizes
- Double Slide available in 8′ x 7′ or 12′ x 7′ sizes
- Custom sizes available
- Optional door brushes for superior sealing available

Steel Personnel Doors

- 4′ x 7′ ADA compliant single swing door
- 24″ x 30″ tempered glass light kit
- Available with and without glass panel
- 20 gauge polystyrene door leaf
- 16 gauge 4 1/4″ frame
- Panic hardware, lever lockset with closer

Pre-Hung Personnel Doors

- Pre-hung in jamb with lock and key
- 3′ x 6′8″ insulated half glass, half solid door
- 42″ x 6′6″ 3/4 glass
- 48″ x 72″ economy solid vinyl
- 36″ x 6′8″ solid vinyl steel
- Various types of personnel doors in stock

Roll-Up Doors

- Commercial grade construction
- 26 gauge galvanized corrugated steel
- Super durable corrosion resistant paint coating
- 12 gauge door mounting brackets
- 16 gauge galvanized steel door tracks
- Various colors available (standard white in stock)
- Stock sizes: 8′ x 8′, 10′ x 10′ and 12′ x 12′
- Chain operation or motorized door activation available
- Wind Rated Doors available upon request

Roll-Up Curtain Doors

Standard stock sizes include:

- 8′ wide x 8′ tall (fits all size structures)
- 10′ wide x 8′ tall (fits 20′ to 35′ structures)
- 12′ wide x 8′ tall (fits 24′ to 35′ structures)
- 16′ wide x 8′ tall (fits 30′ to 35′ structures)
- Complete with door guides, crank assembly and mounting hardware

Greenhouse Heating

Modine Heaters

We carry a full line of Modine Unit gas fired heaters. Standard stock models are the PTP 150 - 400,000 BTU heaters. Available in LP (stock) or Natural gas, heaters come equipped with spark ignition and power vented exhaust. Heaters come standard with an aluminized heat exchanger and a 10-year warranty. Also available are the Effinity High Efficiency (93%) unit heaters. Effinity models dramatically reduce energy cost and CO2 emissions. These models come standard with spark ignition, power vented exhausted and require a vented air intake.

Electric Commercial Heaters

Our horizontal air delivery type heater (HER) is recommended for lower-ceiling applications. Electric unit heaters have lower installation costs and are easier to install, requiring no venting, piping, valves, traps, etc.

Key Features:
- Designed for long heat-throw, uniform heat delivery and reduced maintenance
- Hinged bottom panels for easy control access
- Deflector blades can be adjusted for heat dispersal
- Motors are enclosed and protected from thermal overload
- Made in the USA

Residential Heaters

Our forced air electric heater has a built-in thermostat that adjusts from 35 to 85 degrees Fahrenheit. Its overheat safety shut-off operates on 60HZ 208/240 VAC at 23.4 amps. Heater comes with versatile mounting bracket (heater must be hard wired to electrical source). Because of its rugged design, superior engineering and high-quality craftsmanship, this heater requires little maintenance. With proper care, your electric heater should last a lifetime.

Key Features:
- Heavy-duty, industrial type heater
- Built-in ceiling mount bracket for easy vertical or horizontal mounting
- Adjustable louvers to direct heat to desired area

Heater Hanger

- Heavy-duty 2 x 2 (14 gauge) square tubing
- Pre-welded adjustable hanger brackets
- Available for 4’ or 12’ rafter spacings
- Complete hardware package
- No additional components needed

Vent Pipe Kits

3” - 6” Kit Sizes

Kit Includes:

- Double Wall Construction
- Slip fit/twist connection
- 3 feet of pipe
- 2 Adjustable Elbows
- 2 Wall Covers
- 1 Vent Stack Cover

MECHANICAL
Ventilation & Cooling

GREENHOUSE SHUTTERS, FANS AND VENTS

Evaporative Cooling Pad

Available in 5' increments, this system comes complete with pump, float valve and all required plumbing. Our stainless steel trough has enough water capacity to function without a sump tank, thus producing a user-friendly, self-contained system.

System Includes:

- Stainless steel trough and top cover plate
- Float valve for water reservoir control
- Industrial grade Goulds submersible pump
- Complete plumbing package included
- Available for 4" or 6" thick cooling pads
- Life-Long corrugated cooling pads included

Wall Vent

Atlas' automatic wall vent protects and seals off the cooling pad system. In addition, it offers superior intake ventilation compared to shutters. Complete system includes rack and pinion drive, crank pipe and 24 volt motor.

System Includes:

- Heavy extruded aluminum framework
- 1.315 x 14 gauge crank rod
- All steel rack and pinion drive
- Complete hardware package for assembly
- 24 volt drive motor with internal limits (longer systems require larger motor)
- Covering options: 8 mm twinwall or corrugated poly carbonate or poly film

Slant Wall Fans

Properly sized ventilation options are crucial to the success of your greenhouse. Atlas carries a full line of Quietaire slant wall fans, the ultimate in greenhouse ventilation. Six-bladed propellers with quiet operation at low RPM and aluminum dampers.

Standard sizes range from 30” to 48” with additional options available.

Aluminum Shutters

Inlet Shutters are made of mill finish extruded aluminum with aluminum pivot rods and nylon bearing. Counter balanced blades ensure smooth operation.

Standard stock sizes range from 24” to 45”.
- All aluminum construction
- Double panel
- Motorized or non-motorized

Steel Box Fans

Quietaire steel box fans installed in the gable of the greenhouse provide an excellent first stage of ventilation. The box fan is an economical alternative to our slant wall fan and features 3/4 HP direct drive motor with an aluminum exhaust shutter.

HAF Fans

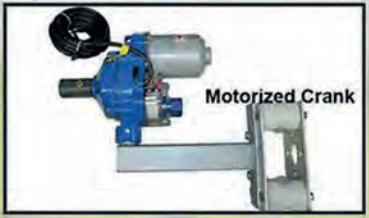
Our 18” HAF fans make heating and cooling more effective by evening out temperatures throughout the greenhouse. Airflow reduces disease risk, circulates heat efficiently and minimizes stagnant air.

Specifications:
- 1/10 HP
- 1 amp
- 115/230 V - 1790 CFM
- 1600 RPM
- Pre-wired with a 115V, 10ft cord
- Industrial grade aluminum blade
- Swivel hook mount

Natural Ventilation

EZ Roll-Up Curtain System

Our EZ Roll-Up package includes everything needed for natural greenhouse ventilation. In addition, you can choose a manual crank or automatic system. Our heavy-duty, 13 mil. coated 10 x 12 weave fabric (not 6 mil. poly) is strong enough to withstand harsh conditions. Growers prefer curtains that roll-up from the middle as opposed to rolling up from the botom reducing crank rotations by 50%.



Motorized Crank

Manual Crank

Available Options:

- 6', 8', 10' or 12' systems
- Manual crank package
- Motorized crank system with guide pipe and hardware
- 24V incremental temperature control system (controls 2 curtains)

Optional Base Wall Advantages:

- Protects plants from wind and air when open
- Prevents snow from accumulating against curtain
- Note: Generally, a 60/40 ration is recommended (60% curtain opening, 40%base wall)

Economy Curtain

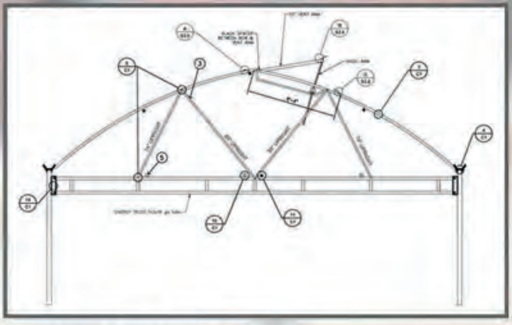
Our Economy Curtain System is a more economical way to passively ventilate your greenhouse or coldframe. Growers prefer curtains that roll up from the middle as opposed to rolling up from the bottom; crank rotations are reduced by 50% because our crank rod rolls from the middle. Our crank handle makes this system easy to operate. For even smoother operation, the crank package can be upgraded to include 13:1 gear reduction box. Poly film can also be upgraded to strong 12 mil. curtain fabric. The Economy Curtain can be adapted to straight or curved side walls. System comes complete with crank handle, crank rod, curtain guides and all hardware necessary to install.

(Wood toe board is not included)

Key Features:

- Provides natural ventilation
- Cost efficient system
- Optional Hat Base available
- Available up to 100' length
- Optional upgrade of heavy curtain fabric and gear reduction crank package available

Ridge Vent System



Poly Ridge Vent System

- Heavy aluminum extrusion for poly attachment
- Heavy-duty rack and pinion drive assembly
- Manual or motor driven
- Opens at the peak and creates adequate ventilation
- For poly film covering only

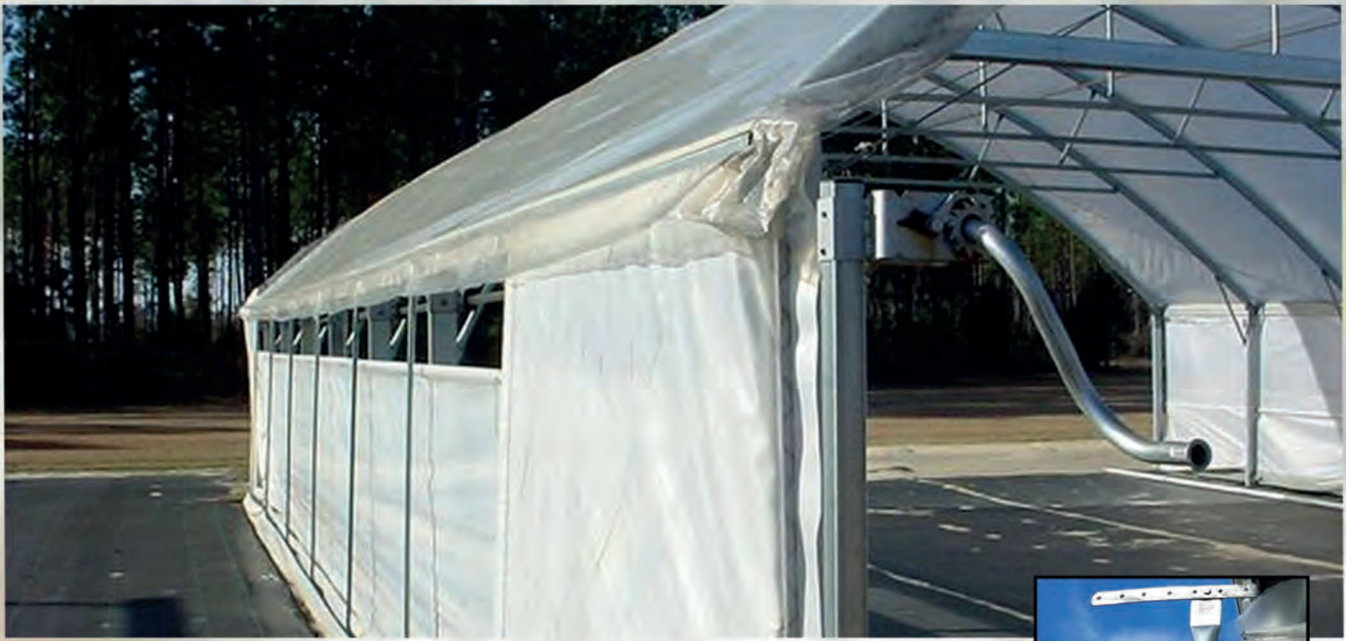
Polycarbonate Ridge Vent System

- Designed for the Grand Peak Greenhouse
- Heavy aluminum extrusion for 8mm P.C.S.S attachment
- Heavy-duty rack and pinion drive assembly
- Manual or motor driven
- Opens at the peak and creates a 30" vent opening

Z-Lock Drop Down Curtain

Our Z-Lock Drop Down Curtain System drops down for ventilation and is best suited for 4' to 6' high side walls. Our exclusive Z-Lock eave flange allows the curtain to seal and "locks" the roof poly securely into place. This pacakge includes everything necessary with the exception of pressure-treated lumber required for the base.

(Option aluminum hat base is available)



Key Features:

- Designed for 4', 5' or 6' side walls
- Retrofits to most houses with straight side walls up to 6' high
- Drops down for ventilation
- 4' to 6' systems
- Manual crank package
- Motorized crank system with mounting hardware
- 24V incremental temperature control system (controls two curtains)
- 110V Wadsworth motors available

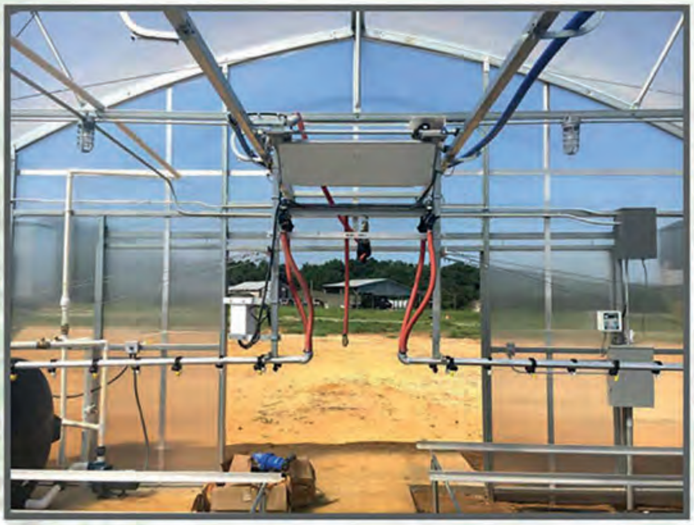
24 Volt Motor

Manual Crank

Motorized Crank

Greenhouse Irrigation

We offer several options for boom irrigation for your greenhouse. The systems we provide have the ability to irrigate and spray the left or the right side of the greenhouse, independent of the other. The double rail tracking system eliminates sway to create consistent water and spray applications. Our irrigation applications can handle the most complicated greenhouse irrigation requirements while assuring the precise application of fertilizers and chemicals. Your irrigation system is sized properly to your specific needs and requirements.



Features Include:

- Hot dipped galvanized steel framing
- Multiple lengths & widths
- Walk through design
- Telescopic spray bar support arms
- Aluminum Spray Bars

Irrigation components and accessories are available for order. Call us for a quote or visit us online

www.atlasgreenhouse.com

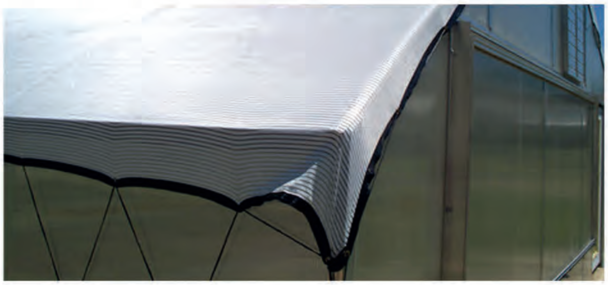
Shade Solutions

Retractable Shade System

Benefits:
- 30 - 40% reduction in energy consumption
- Quick payback of 2 years
- Cools 10-15° F and provides shade
- Creates black-out environment
- Controls day length
- Reduces humidity and condensation
- Improves plant quality
- Easy to maintain, no cables

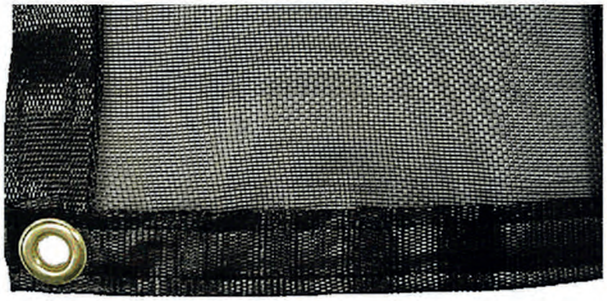
How much money can be saved?

Generally, a 30-40% reduction in fuel consumption can be achieved with shade. Energy savings vary, depending on the type of fabric, greenhouse temperature, efficiency of greenhouse covering and environmental control settings.



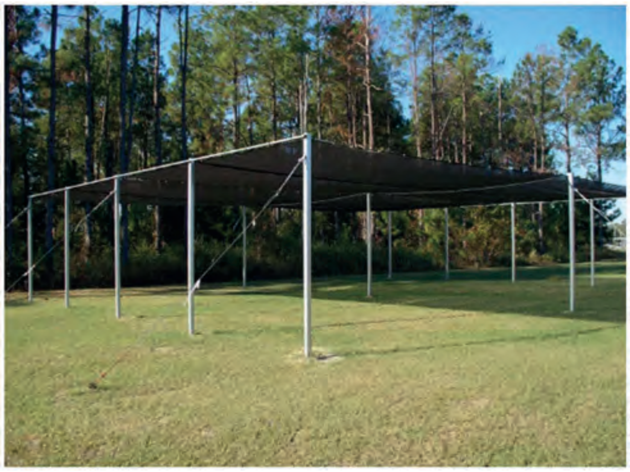
Svensson Climate Screens

The latest in efficient greenhouse shading is Svensson shade fabric. The benefit is less heat load (to be removed by ventilation) for a given shade value when compared to a black shade. Shade percentages include: 30, 39, 51, 64.



Shade Cloth

Black shade cloth is an affordable source of cooling a greenhouse or outdoor growing space. With various shade percentages and reinforced edges, shade cloth provides a long life of protection. Available percentages: 30, 47, 55, 63, 73, 80.



Cable Shade System

Our cable shade system is the economical and efficient solution for those larger shading projects. Designed utilizing 20' x 50' pieces of shade attached with slide rings on the cable, allowing for the shade cloth to be retracted during inclement weather conditions.

- 63% shade standard (more available)
- 3" x 3" - 12 gauge column posts
- Auger anchors with cables for side and end wall bracing

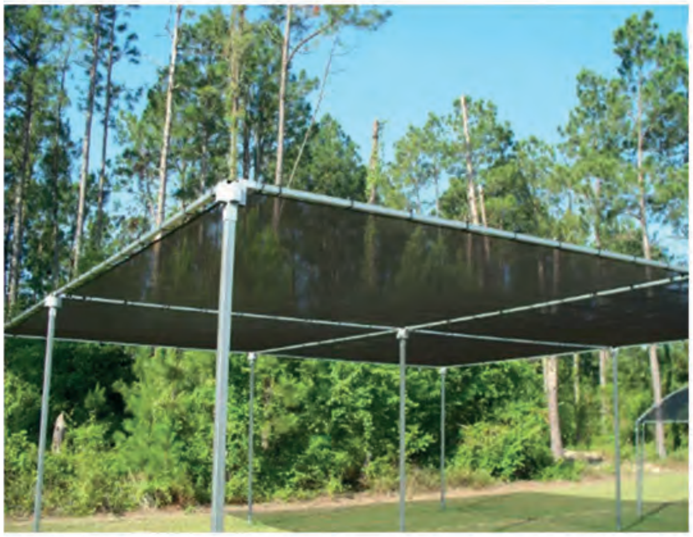
Standard Specs:

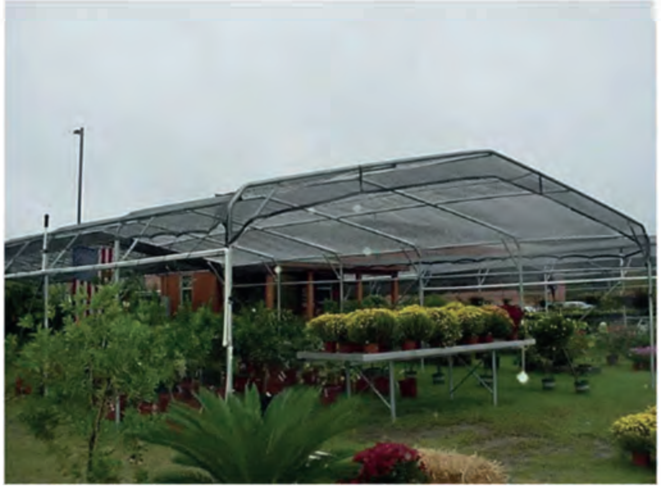
- 10' side wall height
- 20' wide bay spacings
- 25' column spacings

Flat-Top Shade Center

Our flat-top shade structure will save you lots of money on initial construction and future expansion costs. Our 4-way connector allows easy attachment of the framing with pre-welded stanchions. Each section is covered individually with shade cloth and secured with stretch bungees and rope (included) making our flat-top shade structure easy to maintain and very easy to expand.

- 2" x 2" columns (14 gauge)
- 2 1/4" x2 1/4" ground anchors (14 gauge)
- 1-1/2" x 1-1/2" horizontal framing
- 15' x 15' shade cloth sections
- Easy to expand
- Black or reflective shade cloth available





A-Frame Shade Center

Our shade center has slightly pitched rafters spaced 8' apart allowing for an attractive display area for your hanging baskets and other plant materials. Available in 20' wide bays or in connecting multiple bays. We make our shade fabric to custom fit the frames.

- 2.197" ground posts (12 gauge)
- 7 runs of purlins per bay
- 63% shade (custom made to fit frame)
- Bench system (optional)
- 1.900" (14 gauge) rafters (8' spacings)
- 4 corner wind braces
- Hardware with instructions

Standard frames require in-ground installation. Above ground (portable) structures available.

ATLAS
GREENHOUSE

Atlas Manufacturing™ 2023

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